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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/605,165	09/12/2003	Cheng-Te Chuang	MTKP0047USA	2164
27765 7590 05/15/2007 NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION P.O. BOX 506			EXAMINER	
			MCLEAN MAYO, KIMBERLY N	
MERRIFIELD, VA 22116			ART UNIT	PAPER NUMBER
			2187	
			NOTIFICATION DATE	DELIVERY MODE
			05/15/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

winstonhsu.uspto@gmail.com Patent.admin.uspto.Rcv@naipo.com mis.ap.uspto@naipo.com.tw

	Application No.	Applicant(s)			
	10/605,165	CHUANG ET AL.			
Office Action Summary	Examiner	Art Unit			
	Kimberly N. McLean-Mayo	2187			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory perio-Failure to reply within the set or extended period for reply will, by statu. Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC 1.136(a). In no event, however, may a re d will apply and will expire SIX (6) MONT ate, cause the application to become ABA	ATION. ply be timely filed THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status		•			
1)	is action is non-final. ance except for formal matte	• •			
Disposition of Claims					
 4) Claim(s) 15-28 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 15-19 and 22-26 is/are rejected. 7) Claim(s) 20,21,27 and 28 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers					
9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) acceptable and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examiration is objected.	ccepted or b) objected to be drawing(s) be held in abeyand ection is required if the drawing(s	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)	ummary (PTO-413) /Mail Date formal Patent Application			

Application/Control Number: 10/605,165

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DETAILED ACTION

The enclosed detailed action is in response to the Amendment submitted on February 15,
 2007.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 3. Claims 15-19 and 22-26 are rejected under 35 U.S.C. 102(a) as being anticipated by Tseng et al. (PGPUB: US 2004/0199693).

Regarding claims 15-16 and 22-23, Tseng discloses an external memory including a single physical region; and an address translator (inherent) coupled between the microprocessor and the external memory for translating a page and an address within the page pointed to by the microprocessor when accessing the external memory into a physical address of the external memory, and for mapping a predetermined range of addresses (addresses corresponding to the interrupt service routine) within all pages pointed to by the microprocessor when accessing the external memory into the single physical region (Figure 2, Reference 26) of the external memory (Figure 2; sections 0016-0018; Figure 3; each page's [memory bank] interrupt routine is mapped to the interrupt service routine in the single physical region reference 26 in figure 2).

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Regarding claims 17-19 and 24-26, Tseng discloses mapping addresses outside the predetermined range of addresses within all pages to areas of the external memory not within the single physical region (the addresses from the microprocessor are intrinsically translated to the physical addresses of the external memory; addresses that do not correspond with the interrupt service routine are not mapped to the interrupt service but instead are mapped to other areas of the physical memory).

Allowable Subject Matter

4. Claims 20-21 and 27-28 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

5. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Tseng's priority data establishes that the invention was known or used prior to Applicant.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly N. McLean-Mayo whose telephone number is 571-272-4194. The examiner can normally be reached on Monday - Friday (9:45 - 6:15).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Sparks can be reached on 571-272-4201. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kimberly N. McLean-Mayo

Primary Examiner
Art-Unit 2187

KNM

PRIMARY EXAMINER

May 7, 2007